TRANSMITTAL SLIP 3. 22-7/
TO

ROO

REMARKS:

It is requested that the attacked critique he fieled out to the Extent of your association with the Conginering Systems analysis lawres and returned to their affice by 2 april 1911.

Phank Go.

FROM

ROOM NO.

BUILDING

COC Conces

FORM NO. 241

REPLACES FORM 30-8

WHICH MAY BE USED.

(47)

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COURSE CRITIQUE

Please rate 1-10 (poor to excellent respectively) by placing a check on the scale given. Comment below question where indicated. Use back of pages if needed.

pages if needed. RATING FORM 1. Format of the course was intended to accommodate to a rough 5% time commitment and to provide for a full-day class treatment of a particular topical area. Please rate: 1 day/month 4 hours/every 2 weeks Other Alternatives: 2. The point of the applications session was to illustrate where current course material was utilized in the real world. Please rate effectiveness: Material relevance Applications speakers 3. The purpose of the homework was to exercise topical material with about 8 hours of work. Please rate these: 3 one-hour problems 20 ten-minute problems 4. The goal of the intermediate 2-hour session was to give a "keepalive" exercise in the topical area. Please rate these alternatives for continuity: Problem-solving session Second applications session 1

No mark implies. I can't comment meaningfully.

A mark in the continuine implies neutrality

pictorial development in order to o			
readily. Please rate:	convey moderning concepts more		
readily. Please late.		•	
e.	Diagrammatic presentation	1	1 0
	Mix of vuegraphs & chalkboard	1	10
	•,		
6. The symbology of various syst the separate source developments, made in order to permit cross into literature. Please rate effectiven	erpretation within the technical	•	
	Common gymbology	7 F	10
	Common symbology Example illustrations	1	10
	Example mustrations	*	
	•	. 1	
•		•	
7. The intent of notes and handoumonth was to tie course topics to	t material furnished throughout the technical literature. Please rate:	·	
	Effectiveness of handout		•
	reprints	1	10
	Effectiveness of specially		
	developed handouts	1	10
			1
8. General impedimenta such as format, etc., for providing contin	same room same day/month, same uity. Please rate:		· .
	7	1	i (* 10
	Room	1	1
	Day Daily sequence	1	 - - 10
	Daily Sequence		
9. The course was designed to preserve disciplines: Please rate	resent a semi-unitary approach to applicable areas 1-10:		
Communications 10	Optics & Acoustics (,	
	Seismics 9 Pictorial 7	1-0-1-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0	
Computer Technology		,	
Company Toomond			
		4	

SUBSTANCE

RATING

10. The course material was split 50% basic math tools and 50% in commonality subsystems. (Those subsystems which are pervasive in designs across disciplines.) The sequence was that recommended by ASEE for math modelling related to several fields. Please rate:

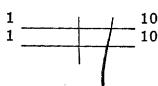
Balance of material Total content



The sequence is given below for each session. Please give your rating for both material content and for the applications given both formally and in the course of concept development.

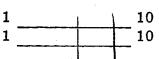
11. Session I; Vectorial Representation; matrices, num. analysis, linear systems, sampling, manipulation

Material Application



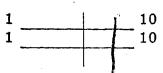
12. Session II; Transforms; convolution, Fourier and Laplace transformations, Z transforms, impulse response, numerical analysis.

Material Application



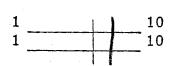
13. Session III; Probability and Statistics; random var., expectancy, density functions, distributions, confidence limits

Material Application



14. Session IV; Stochastic Variable; stationarity, ergodicity, moments, correlation, power spectral density, white noise, square law detection.

Material Application



15. Session V; Signal Detection detection, Bayes Law.			
	Material Application	1	_ 10 _ 10
16. Session VI; Detector Subsycharacteristics, detection situated and prediction.	stems I; receiver operating tions, S/N ratio, data smoot	hing	
	Material Application	1 '	$-{}^{10}_{10}$
17. Session VII; Detector Subsymbitening, matched filtering, the chains.	ystems II; non-white noise, nreshold, detectability Mark	ov	
whitening, matched filtering, the	ystems II; non-white noise, nreshold, detectability Mark Material Application	1 1	10 10
whitening, matched filtering, the	Material Application essing I; space-time relation or signal and noise.	1	10
whitening, matched filtering, the chains. 18 Session VIII: Spatial Procession	Material Application essing I; space-time relation	1	
whitening, matched filtering, the chains. 18 Session VIII: Spatial Procession	Material Application essing I; space-time relation or signal and noise. Material	1	10
whitening, matched filtering, the chains. 18 Session VIII: Spatial Procession	Material Application essing I; space-time relation or signal and noise. Material Application	1 1 ships, spatial 1 1	10

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20. Session X; Servomechanisms and Control; closed loop systems,

regulation, feedback, root I	ocus, stability criteria, bang-ba	ing systems.	
	Material	1	1 10
	Application	1	11
21. Session XI; Modulation	; analog modulation, AM, FM, I index of modulation noise immu	PM, supressed	
band modulation, effects of	Index of inodulation noise states		
pand modulation, effects of		1	1
pand modulation, effects of	Material Application	1	1 1
pand modulation, effects of	Material	1	1
	Material	1	1

Material Application 10